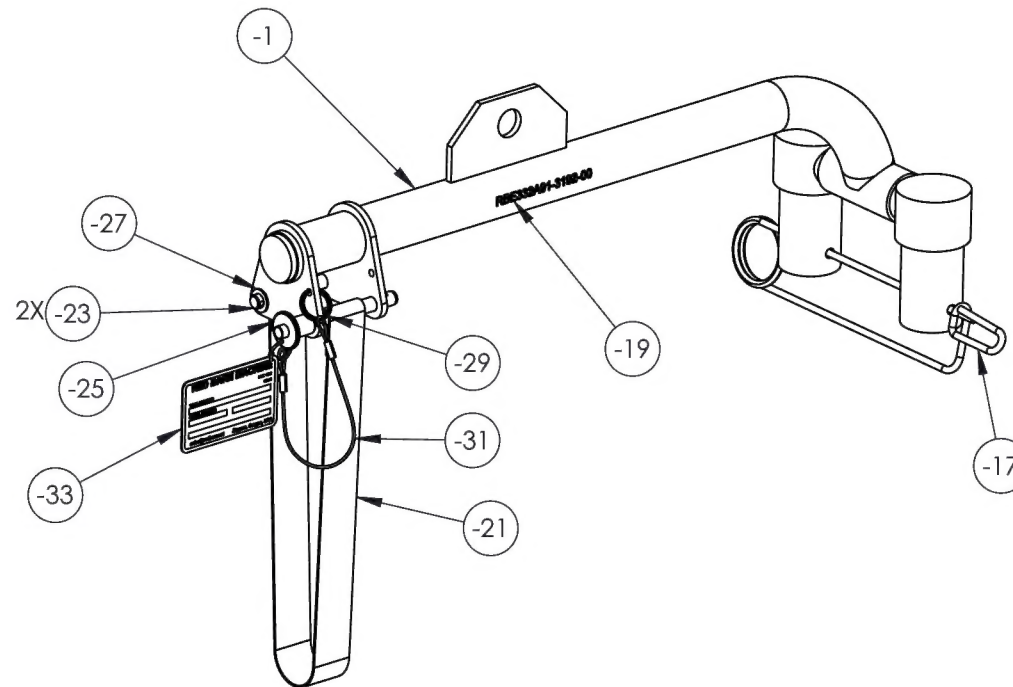


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

UNDER REVIEW
URF 19-1023 19.10.28 (VM)

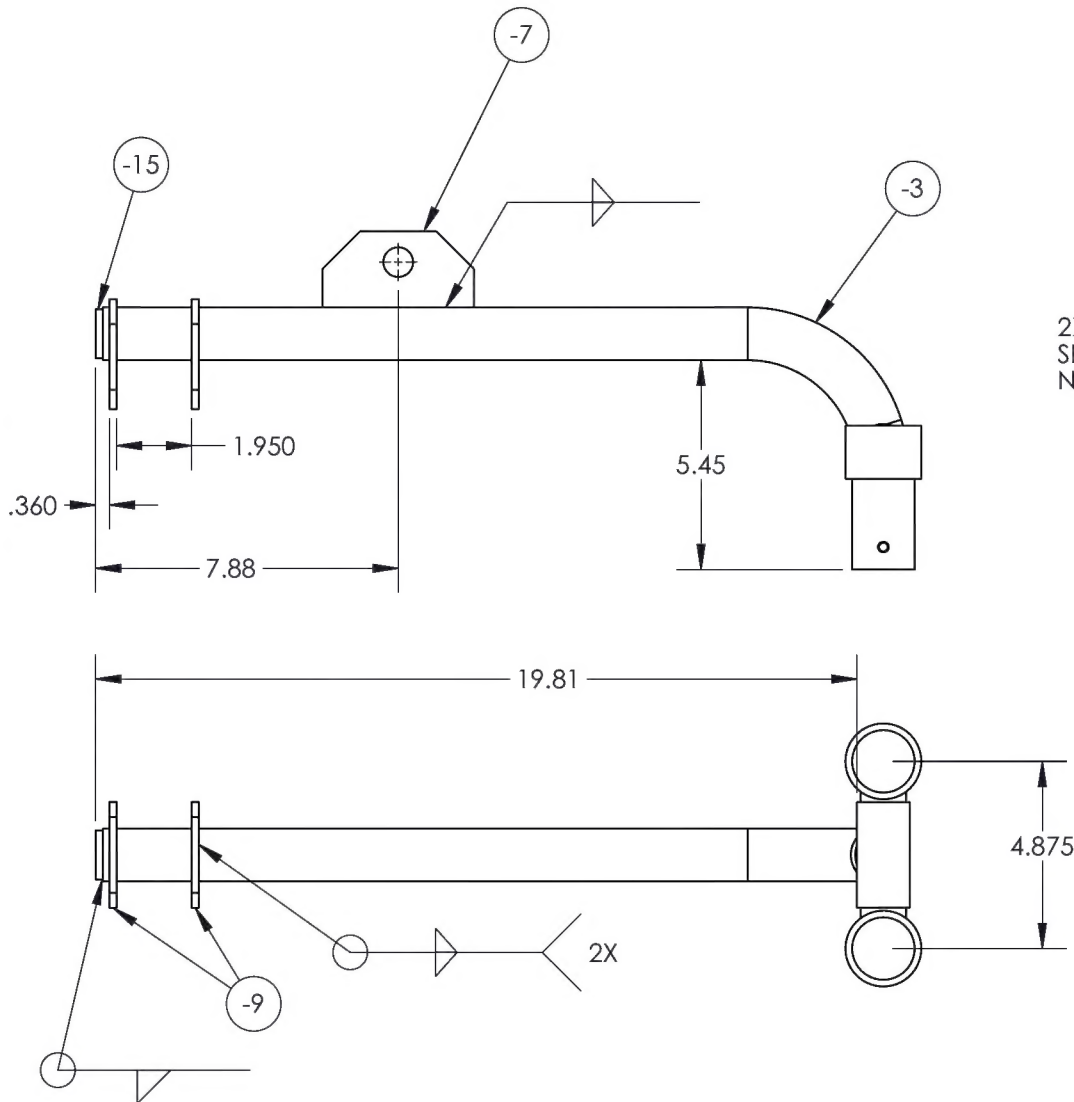


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	1		-3	1	J TUBE	DOM CARBON STEEL	Ø1-3/8 X .095 WALL X 22	3
	1		-5	1	CROSS TUBE	CARBON STEEL	Ø1-3/8 X .095 WALL X 2-7/8	4
	1		-7	1	LIFT PLATE	A36 PO	3/16 X 2 X 4	5
	1		-9	2	STRAP PLATE	A36 PO	3/16 X 3 X 3	6
	1		-11	2	PIN	CARBON STEEL	Ø2 X 3-7/8	7
	1		-13	1	CONNECTOR TUBE	CARBON STEEL	Ø1.185 X .219 WALL X 4-1/4	8
	1		-15	1	CAP	A36 PO	3/16 X Ø1-3/8	9
			-17	1	SAFETY PIN	S.S.	J.P. WIRE	10
			-19	2	LABEL	VINYL	SIGNS NOW	11
			-21	1	STRAP	NYLON STRAP	1.2 X .050 X 22 EUGENE CANVAS	12
		B/O	-23	1	CLEVIS PIN	STEEL	3/8 X 2-27/32 MCMaster-CARR #93890A465	1
		B/O	-25	1	BALL LOCK PIN	S.S.	Ø3/8 X 2-1/2 MCMaster-CARR #90985A314	1
		B/O	-27	2	WASHER	STEEL	3/8 MCMaster-CARR #95229A490	1
		B/O	-31	1	LANYARD	S.S.	8" LOOP/LOOP MCMaster-CARR #90312A200	1
		B/O	-29	1	SPLIT RING	STEEL	Ø5/8 MCMaster-CARR #90177A215	1
		B/O	-33	1	RED BARN PLACARD	ALUMINUM	RB41009	1
ASSY	-1							

RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: SPEC: USED ON MODEL: EUROCOPTER
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:5	DATE 4/18/2011
SHEET 1 OF 13	

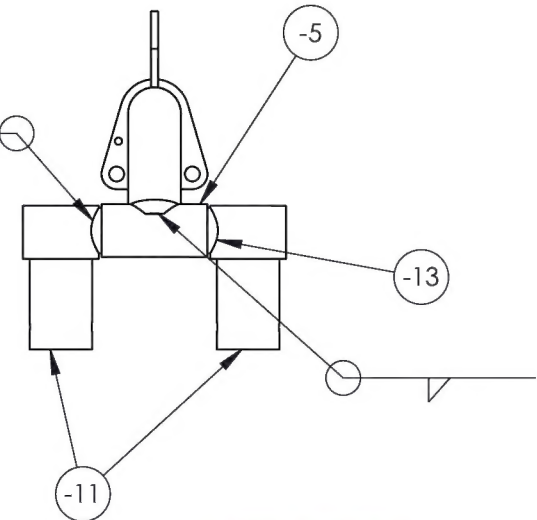
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			APPROVED



2X
SEE
NOTE

①
WELDMENT



UNDER REVIEW

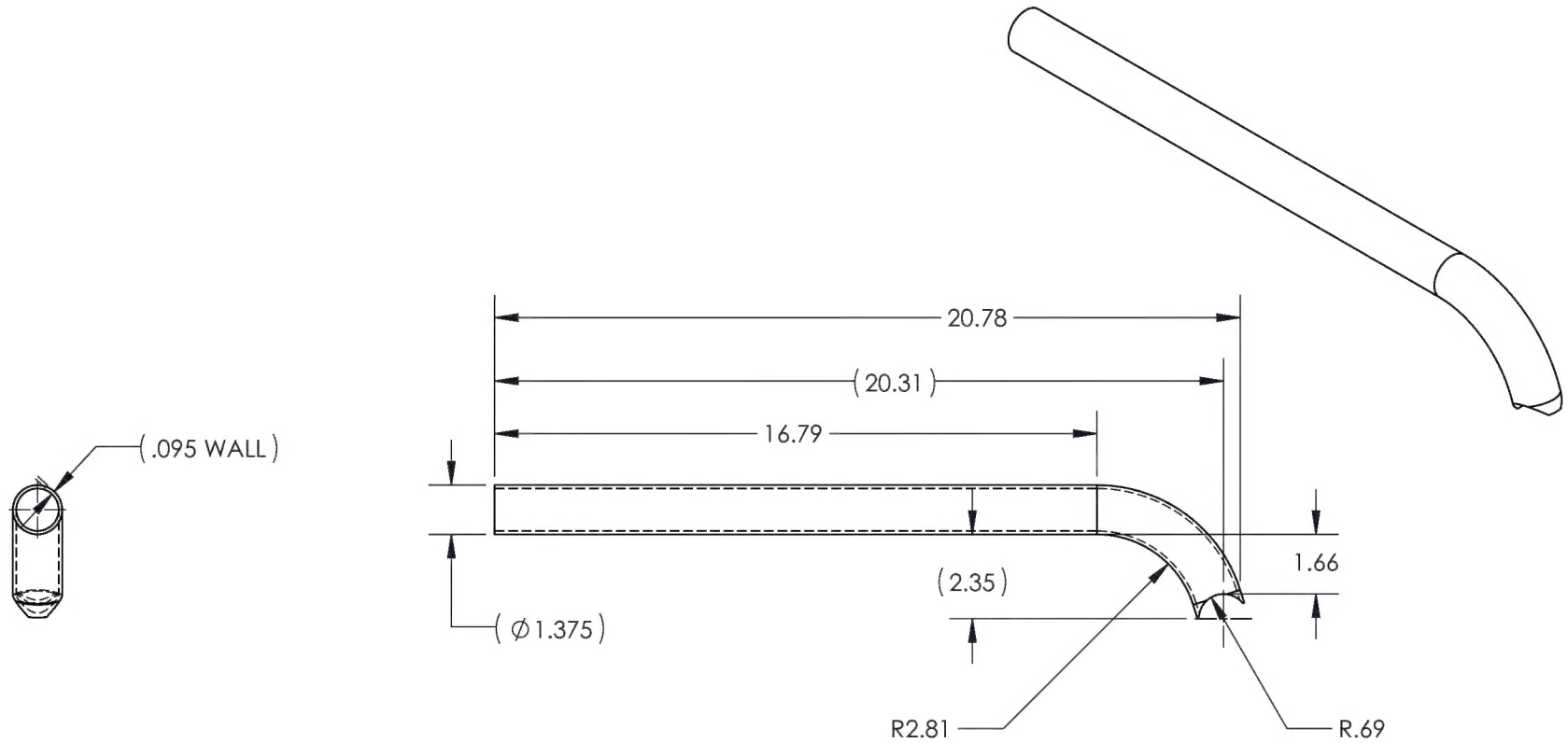
URF 19-1023 19.10.28 (VM)

NOTE: INSTALL CONNECTOR INTO CROSS TUBE
BEFORE WELDING.

RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-1	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:5	DATE 4/18/2011
SHEET 2 OF 13	
DRAWN BY: GILBERT	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH POWDER COAT YELLOW	
SPEC FED #13538	
USED ON MODEL EUROCOPTER	

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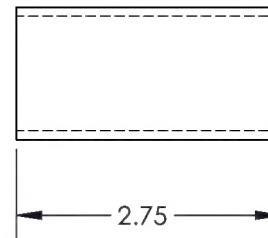
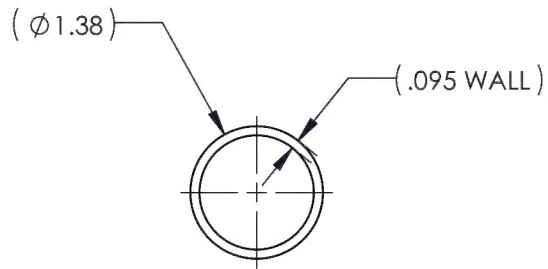
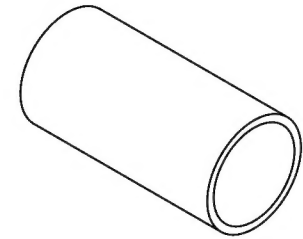
③

J TUBE

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-3	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:5	DATE 4/18/2011
SHEET 3 OF 13	

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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



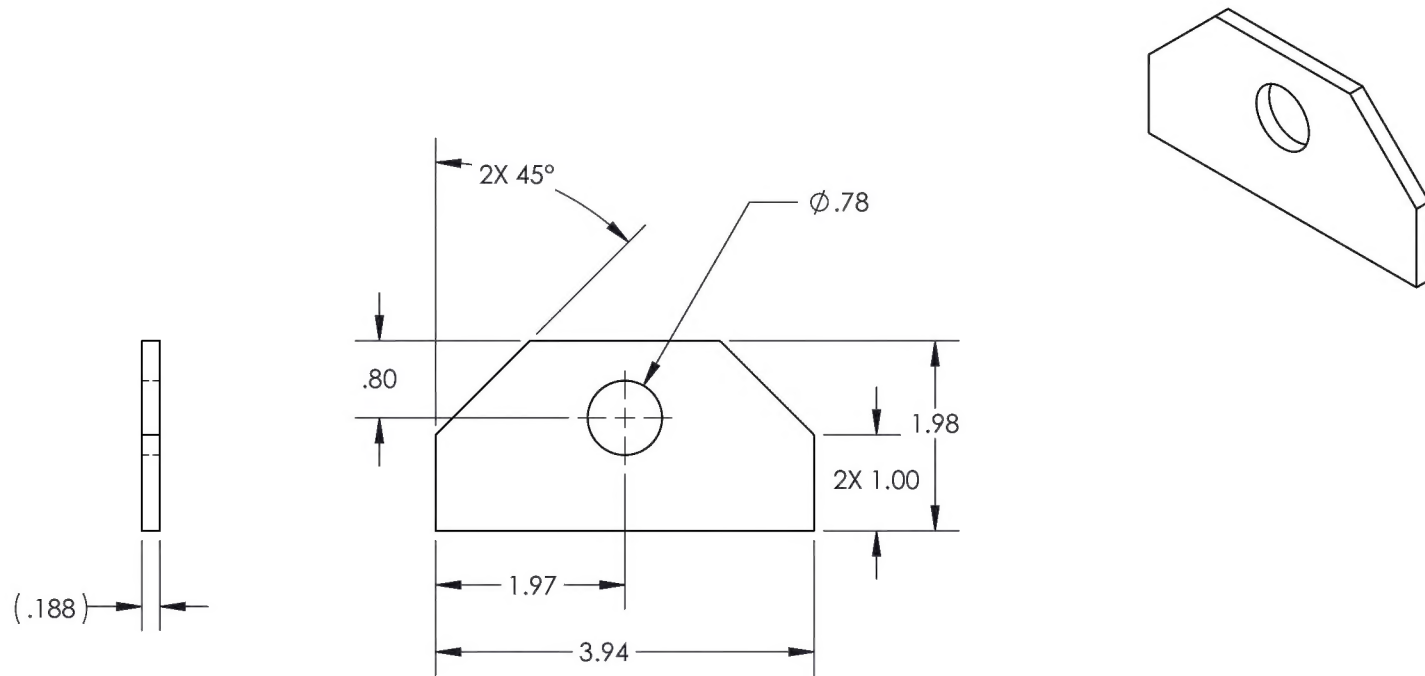
(-5)
CROSS TUBE

UNDER REVIEW
URF 19-1023 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-5	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX \pm .005 .XX \pm .01 .X \pm .1 FRACTIONS \pm 1/32 ANGLES \pm .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:2	DATE 4/18/2011
SHEET 4 OF 13	

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(-7)

LIFT PLATE

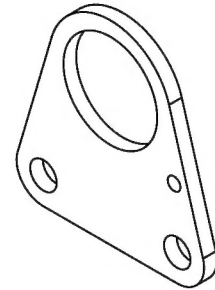
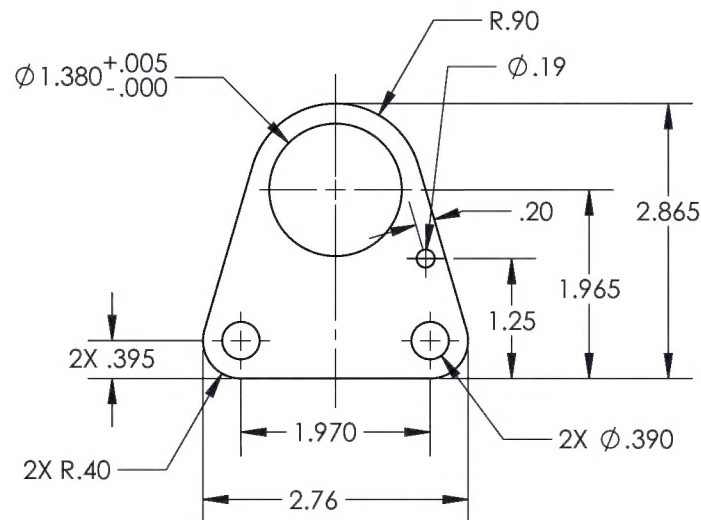
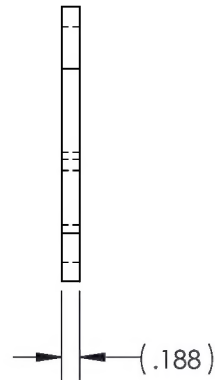
UNDER REVIEW

URF 19-1023 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-7	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:2	DATE 4/18/2011
SHEET 5 OF 13	

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⑨

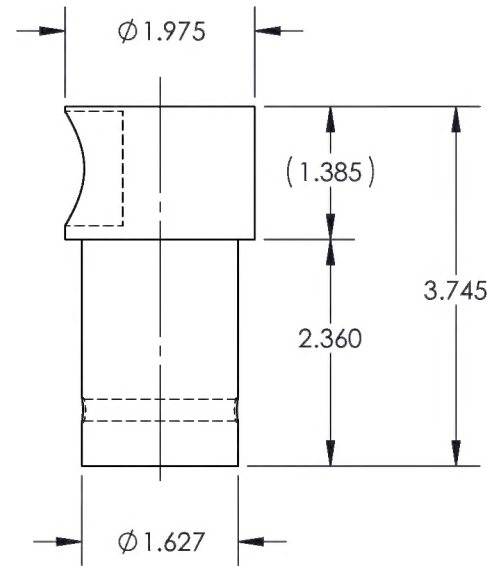
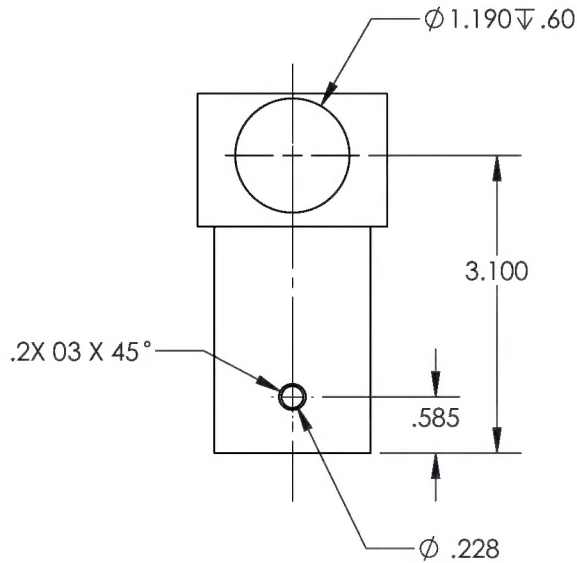
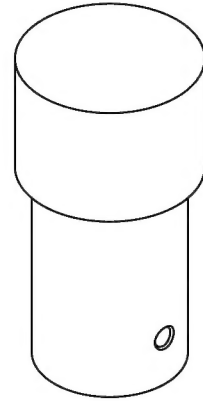
STRAP PLATE

UNDER REVIEW
URF 19-1023 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-9	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC	
USED ON MODEL EUROCOPTER	
SCALE 1:2	DATE 4/18/2011
SHEET 6 OF 13	

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REV	DESCRIPTION	DATE	INITIAL
			APPROVED

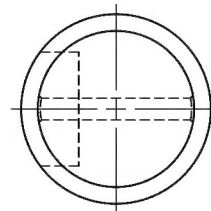


(-11)

PIN

UNDER REVIEW

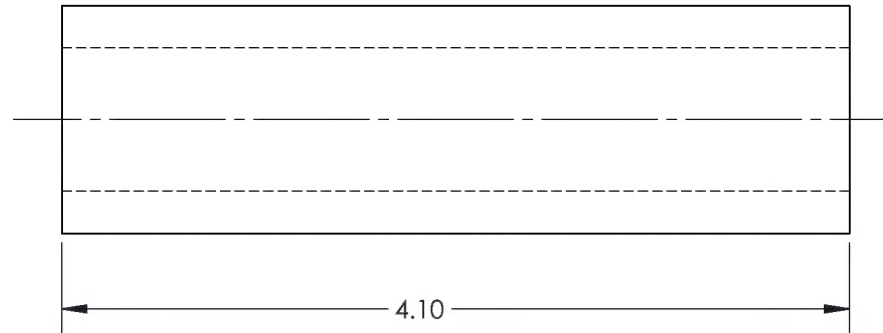
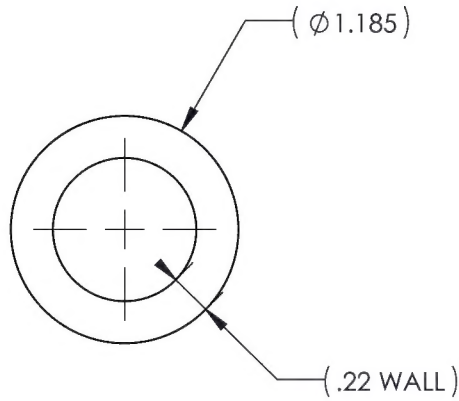
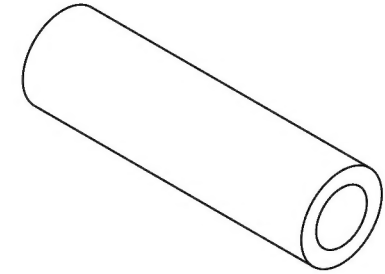
URF 19-1023 19.10.28 (VM)



 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-11	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL EUROCOPTER	
SCALE 1:2	DATE 4/18/2011
SHEET 7 OF 13	

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			APPROVED




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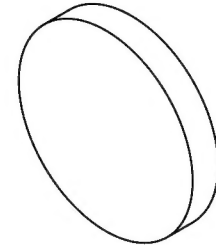
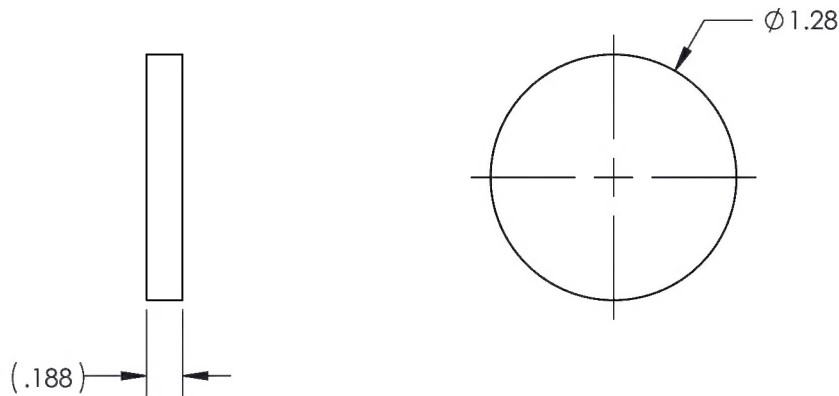
(-13)

CONNECTOR TUBE

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-13	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:1	DATE 4/18/2011
SHEET 8 OF 13	

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-15

CAP

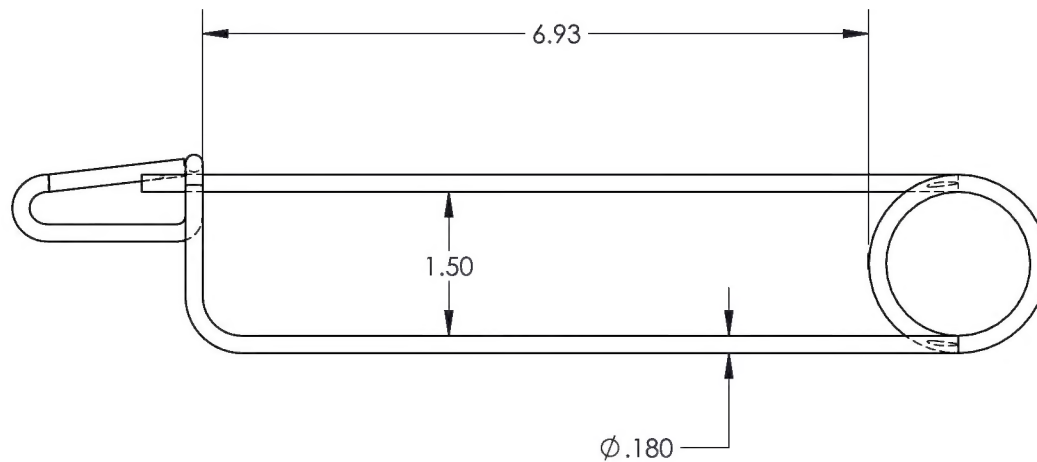
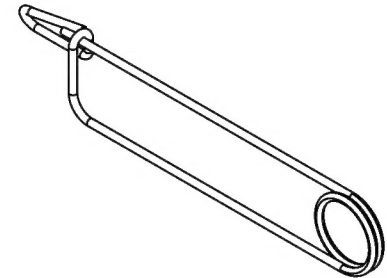
UNDER REVIEW

URF 19-1023 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-15	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:1	DATE 4/18/2011
SHEET 9 OF 13	

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UNDER REVIEW

URF 19-1023 19.10.28 (VM)

-17

SAFETY PIN

 RED BARN MACHINE		TITLE	
		SLING, MK2+ SLEEVE	
DWG NO.		REV	
RBE332A91-3192-00-17			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL EUROCOPTER	
SCALE	1:2	DATE	4/18/2011
		SHEET 10 OF 13	

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.25 RBE332A91-3192-00

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URF 19-1023 19.10.28 (VM)

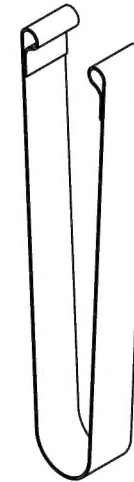
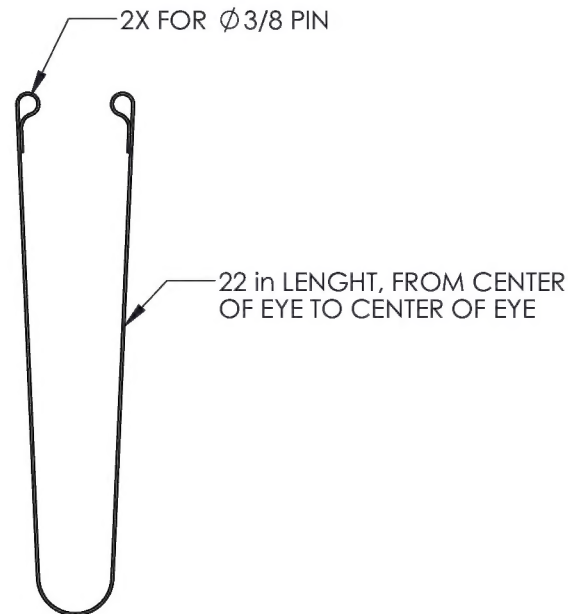
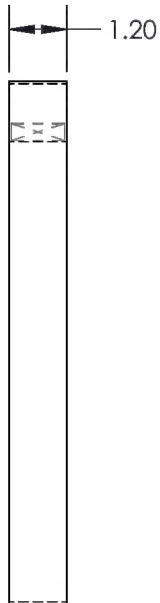
NOTE: 1/4 WITH ARIAL FONT

(-19)
LABEL

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-19	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL EUROCOPTER
SCALE 1:1	DATE 4/18/2011
SHEET 11 OF 13	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



UNDER REVIEW
URF 19-1023 19.10.28 (VM)

(-21)
STRAP

 RED BARN MACHINE	
TITLE SLING, MK2+ SLEEVE	
DWG NO. RBE332A91-3192-00-21	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 4/18/2011
SHEET 12 OF 13	

DRAWN BY:
 APPROVED *D Weil*
 HEAT
 TREAT
 FINISH
 SPEC
 USED ON MODEL

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1A	ADDED THIS SHEET	2/25/2011	JAG	

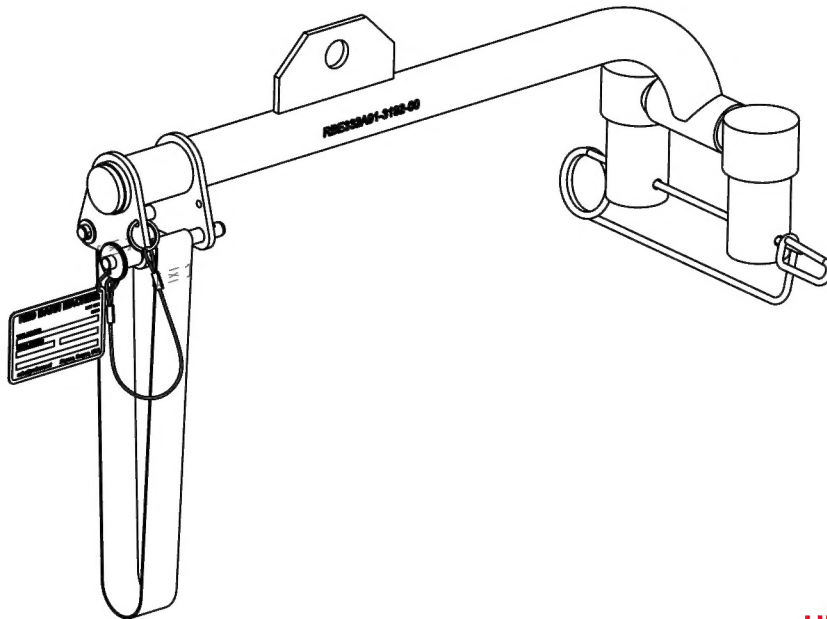
RED BARN MACHINE
190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@redbarn.net

INSPECTION & TESTING PROCEDURES FOR SLING, MK2+ SLEEVE
RBE332A91-3192-00, . THIS ASSEMBLY SHOULD BE INSPECTED
BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED
OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. PLACE 205 LBS, EVENLY DISTRUTED BETWEEN LIFTING BRACKET.
2. LIFT WIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.



INSPECTOR _____

TESTER _____

S.N. _____

DATE _____

UNDER REVIEW

URF 19-1023 19.10.28 (VM)

 RED BARN MACHINE	
TITLE	SLING, MK2+ SLEEVE
DWG NO.	RBE332A91-3192-00
REV	